

Release notes for ENDF/B Development n-034_Se_078
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=3437, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=3437, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      230 TO      296
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=3437, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=3437, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      230
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3437, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      298
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      392
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      422
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      452
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      471
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 481

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 487

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 500

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 511

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 530

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 547

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 563

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 55
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 579

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 56 (0): Directory (b)

- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 56 | RECORD NUMBER | 594 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 57 | RECORD NUMBER | 609 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 58 | RECORD NUMBER | 623 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 59 | RECORD NUMBER | 637 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 60 | RECORD NUMBER | 650 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 61 | RECORD NUMBER | 663 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 62 | RECORD NUMBER | 676 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|-----|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 63 | RECORD NUMBER | 688 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 64 (0): Directory (b)

- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 64 | |
| SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER 700 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 65 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 65 | |
| SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER 712 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 66 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 66 | |
| SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER 723 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 67 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 67 | |
| SECTION 3/ 67 NOT IN DIRECTORY | RECORD NUMBER 734 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 68 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 68 | |
| SECTION 3/ 68 NOT IN DIRECTORY | RECORD NUMBER 745 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 69 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 69 | |
| SECTION 3/ 69 NOT IN DIRECTORY | RECORD NUMBER 755 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 70 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 70 | |
| SECTION 3/ 70 NOT IN DIRECTORY | RECORD NUMBER 765 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT= 91 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT= 91 | |
| SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER 775 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT=102 (0): Directory (b)

- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT=102 | |
| SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER 784 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT=103 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT=103 | |
| SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER 808 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT=104 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT=104 | |
| SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER 822 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT=105 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT=105 | |
| SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER 834 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 3, MT=107 (0): Directory (b)
- | | |
|-------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 3, MT=107 | |
| SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER 843 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 2 (0): Directory (b)
- | | |
|------------------------------------------|-------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 2 | |
| SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER 860 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 16 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 16 | |
| SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER 1060 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 17 (0): Directory (b)
- | | |
|-------------------------------------------|--------------------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 17 | |
| SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER 1071 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 22 (0): Directory (b)

- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 22 | RECORD NUMBER | 1082 |
| SECTION 4/ 22 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 28 | RECORD NUMBER | 1093 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 51 | RECORD NUMBER | 1104 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 52 | RECORD NUMBER | 1129 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 53 | RECORD NUMBER | 1152 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 54 | RECORD NUMBER | 1175 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 55 | RECORD NUMBER | 1198 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 56 | RECORD NUMBER | 1221 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 57 (0): Directory (b)

- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 57 | RECORD NUMBER | 1244 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 58 | RECORD NUMBER | 1267 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 59 | RECORD NUMBER | 1290 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 60 | RECORD NUMBER | 1313 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 61 | RECORD NUMBER | 1336 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 62 | RECORD NUMBER | 1359 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 63 | RECORD NUMBER | 1382 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 64 | RECORD NUMBER | 1405 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 65 (0): Directory (b)

- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 65 | RECORD NUMBER | 1428 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 66 | RECORD NUMBER | 1451 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 67 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 67 | RECORD NUMBER | 1474 |
| SECTION 4/ 67 NOT IN DIRECTORY | | |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 68 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 68 | RECORD NUMBER | 1497 |
| SECTION 4/ 68 NOT IN DIRECTORY | | |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 69 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 69 | RECORD NUMBER | 1520 |
| SECTION 4/ 69 NOT IN DIRECTORY | | |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 70 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 70 | RECORD NUMBER | 1543 |
| SECTION 4/ 70 NOT IN DIRECTORY | | |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 4, MT= 91 | RECORD NUMBER | 1566 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|-------------------------------------------|---------------|------|
| ERROR(S) FOUND IN MAT=3437, MF= 5, MT= 16 | RECORD NUMBER | 1590 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 5, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 1637

64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 5, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1654

65. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 1788

66. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3437, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=3437, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 1858

- **psyche** Warnings:

1. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 107 / THE CALCULATED Q 3.99834E+05 DISSAGREES WITH THE GIVEN Q 4.78818E+05 (0): Iffy Q

FILE 3
SECTION 107
THE CALCULATED Q 3.99834E+05 DISSAGREES WITH THE GIVEN Q 4.78818E+05

- **recent** Warnings:

1. Statistical weight of certain L values were incorrect
0: RRR goof (a)

Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====

Retrieval Criteria-----	MAT
File 2 Minimum Cross Section-	1.0000E-10 (Standard Option)
Reactions with No Background-	Output (Resonance Contribution)
... [309 more lines]	

- **fudge-4.0** Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved (Error # 1): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 0.5 and S = 1.5 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 0.5 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 1.5 for "capture"
... plus 1 more instances of this message

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.17%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.13%

• fudge-4.0 Errors:

1. The spin statistical weights are off, indicating missing channels
resonances / resolved / MultiLevel_BreitWigner (Error # 0): badSpinStatisticalWeights

WARNING: The spin statistical weights for L=1 sums to 1.0, but should sum to 3.0. You have too few channels for re

2. Calculated and tabulated Q values disagree.
reaction label 22: n[multiplicity:'2'] + Se77 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10556071.65943909 eV vs -1.05015e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 23: n[multiplicity:'3'] + Se76 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -17974932.46713257 eV vs -1.79245e7 eV!

4. Calculated and tabulated Q values disagree.
reaction label 24: n + H1 + As77 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10456741.16764832 eV vs -1.04094e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 25: Se79 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6904571.386322021 eV vs 6960590. eV!

6. Calculated and tabulated Q values disagree.
reaction label 26: n + He4 + Ge74 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6086826.014007568 eV vs -6031280. eV!

7. Calculated and tabulated Q values disagree.
reaction label 27: H1 + As78-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3484582.056167603 eV vs -3509020. eV!

8. Calculated and tabulated Q values disagree.
reaction label 28: H2 + As77-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8232175.066711426 eV vs -8099310. eV!

9. Calculated and tabulated Q values disagree.
reaction label 29: H3 + As76-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11673332.80970764 eV vs -1.16154e7 eV!

10. Calculated and tabulated Q values disagree.
reaction label 30: He4 + Ge75_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 418481.3220367432 eV vs 478818. eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided